

Solar Storage Container Solutions

Global Photovoltaic Inverter Market



Overview

The photovoltaic (PV) inverter market is expected to witness market growth at a rate of 6.35% in the forecast period of 2022 to 2029. Data Bridge Market Research report on photovoltaic (PV) inverter market provides analysis and insights regarding the various factors expected to be.

The photovoltaic (PV) inverter market is segmented on the basis of application, connectivity, product, power class, nominal output voltage, and nominal output.

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The photovoltaic (PV) inverter market competitive landscape provides details by competitor. Details included are company overview, company financials, revenue.

Data Bridge Market Research is a leader in consulting and advanced formative research. We take pride in servicing our existing and new customers with data and.

According to our latest research, the global photovoltaic inverter market size reached USD 11.7 billion in 2024, driven by the accelerating transition towards renewable energy sources and robust investments in solar infrastructure worldwide. What is the global photovoltaic inverter market?

Photovoltaic Inverter, also known as power regulator and power regulator, is an indispensable part of the photovoltaic system. The global Photovoltaic Inverter market was valued at US\$ 5776.2 million in 2023 and is anticipated to reach US\$ 5889.2 million by 2030, witnessing a CAGR of 0.2% during the forecast period 2024-2030.

How did solar inverter market share grow in 2021?

Global top 10 solar photovoltaic (PV) inverter vendors shored up 82% of market share in 2021, increasing by 2 percentage points compared to 2020, says Wood Mackenzie, a Verisk business (Nasdaq:VRSK). Global PV inverter

shipments grew 22% or 40,250 MWac (mega-watt, alternating current) to 225,386 MWac in 2021 compared to 2020.

What are the major players in global PV inverter market?

The major players in global PV Inverter market include SMA, Huawei, etc. The top 2 players occupy about 30% shares of the global market. Asia-Pacific is main market, and occupies over 60% of the global market. String Inverter is the main type, with a share about 60%. Public Utilities is the main application, which holds a share about 45%.

What is the global demand for PV inverters in 2022?

The global PV demand of 201 gigawatt alternating current (GWac) in 2022 contributed to 48% growth year-over-year for PV inverters. In terms of inverter shipments, strong growth in Europe, Asia Pacific, and the United States where government support bolstered to meet clean energy goals led to a total of 333 GWac of global shipments in 2022.

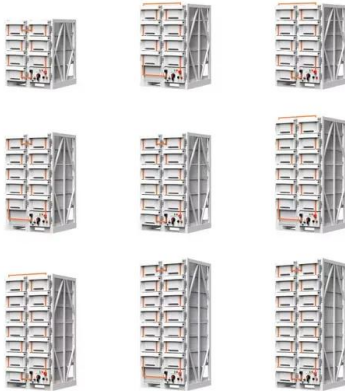
Which PV inverter vendors shipments grew the most in 2022?

The top five vendors – Huawei, Sungrow, Ginlong Solis, Growatt, and GoodWe – shipped more than 200 GWac and accounted for 71% of total global PV inverter shipments in 2022, growing 8% from 2021. Huawei's shipments saw a significant increase of 83% in 2022 compared to 2021, while Sungrow's shipments expanded 56% in the same period.

Which region has the most inverter shipments in the world?

The Asia Pacific (APAC) region held 50% of the global market with a 44% year-over-year growth in shipments, with total shipments to the region reaching 167 GWac. China led the market with 78% of inverter shipments to APAC directed to the country as installations reach an all-time high.

Global Photovoltaic Inverter Market



Global Photovoltaic Inverter Market Report 2025 Edition, Market ...

Global Photovoltaic Inverter market size 2025 was XX Million. Photovoltaic Inverter Industry compound annual growth rate (CAGR) will be XX% from 2025 till 2033.

Global PV Inverter Market Size, Trends, Share 2025

PV Inverter Market Size, Trends and Insights By Product (String PV Inverter, Central PV Inverter, Micro PV Inverter), By End-use (Commercial & Industrial, Utilities, Residential), and By Region ...



PV Inverter Market Size, Share & Trends Analysis, 2025-2033

Aug 4, 2025 · The global PV inverter market size was valued at USD 13.78 billion in 2024 and is projected to reach USD 14.74 billion in 2025, growing further to USD 25.11 billion by 2033, ...

Global Photovoltaic Inverter Market Research Report 2024

Jan 16, 2024 · The global Photovoltaic Inverter market was valued at US\$ 5776.2 million in 2023 and is anticipated to reach US\$ 5889.2 million by

2030, witnessing a CAGR of 0.2% during the ...



Global surge in solar PV inverter shipments highlights

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The global energy landscape saw a significant shift in 2023, marked by a 56% increase in solar photovoltaic (PV) inverter shipments, to reach 536 GWac. China, a powerhouse in solar ...



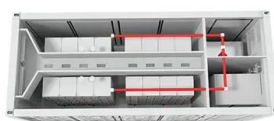
Global solar PV inverter landscape 2024 Report

Oct 24, 2024 · This annual report provides insight into the global solar PV inverter and module-level power electronics (MLPE) landscape, including regional and ...



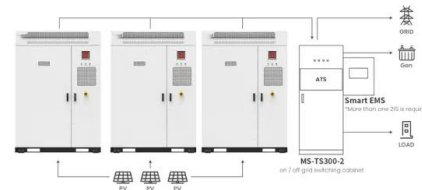
Solar Photovoltaic Inverter Market Forecasts to 2030

Oct 10, 2024 · Solar Photovoltaic Inverter Market Forecasts to 2030 - Global Analysis By Product, Connectivity, Phase, Power Rating, Sales Channel, End User and By Geography - According ...



PHOTOVOLTAIC MODULES AND INVERTERS

Mar 5, 2025 · The different inverter types available in the market are central inverters, string inverters, micro inverters, smart inverters and battery-based inverters. Central inverters are ...



Application scenarios of energy storage battery products



Huawei, Sungrow and SMA dominate global inverter market

Apr 29, 2020 · The global solar inverter market grew 18% in 2019, according to new data from U.S.-owned analyst Wood Mackenzie. The WoodMac analysts said two trends were critical:

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Solar PV Inverter Market Size, Growth & Industry ...

Jul 7, 2025 · Solar PV Inverter Market Size & Share Analysis - Growth Trends & Forecasts (2025 - 2030) The Solar PV Inverter Market Report is Segmented ...



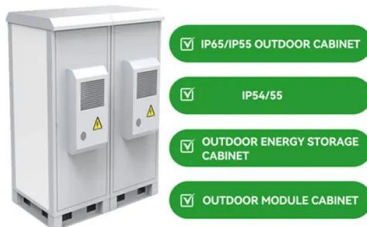
Global Photovoltaic Inverter Market Research Report 2023

Jun 12, 2023 · This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global ...



Utility On Grid PV Inverter Market , Global Market Analysis ...

Aug 6, 2025 · Utility On Grid PV Inverter Market is forecasted to reach USD 41.8 billion by 2035 and exhibiting a remarkable 7.7% CAGR between 2025 and 2035.



Solar PV Inverter Market Size, Growth & Analysis Report by ...

The global solar PV inverter market size was valued at USD 16.3 billion in 2024 and is estimated to reach USD 35.4 billion by 2033, growing at a CAGR of 10.2% during the forecast period ...

Solar PV Inverter Market Size, Trend & Industry ...

Nov 23, 2021 · The global solar PV inverter market size was valued at USD 7.7 billion in 2020, and is expected to reach USD 17.9 billion by 2030, registering ...



Global Photovoltaic Pv Inverter Market Analysis

Explore a comprehensive evaluation of the Global Photovoltaic (PV) Inverter market, delving into key trends, growth drivers, and demand factors. This detailed examination provides an in ...

Photovoltaic Inverter

Feb 21, 2025 · The global market for Photovoltaic Inverter was estimated to be worth US\$ 5829 million in 2024 and is forecast to a readjusted size of US\$ 5910 million by 2031 with a CAGR ...



Photovoltaic (PV) Inverter Market Size, Share and Forecast ...

Jun 19, 2025 · The Photovoltaic (PV) Inverter Market demonstrates strong geographical diversification, with Asia Pacific leading in terms of installations due to large-scale solar ...

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